Penicillin-Binding Protein Activator Lpob (lpoB) Shigella Sonnei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Penicillin-binding protein activator LpoB (lpoB), Recombinant Protein
Full Product Name	Recombinant Shigella sonnei Penicillin-binding protein activator LpoB (lpoB)
Product Gene Name	lpoB recombinant protein
Product Synonym Gene Name	lpoB
Sequence	CVGQREPAPV EEVKPAPEQP AEPQQPVPTV PSVPTIPQQP GPIEHEDQTA PPAPHIRHYD WNGAMQPMVS KMLGADGVTA GSVLLVDSVN NRTNGSLNAA EATETLRNAL ANNGKFTLVS AQQLSMAKQQ LGLSPQDSLG TRSKAIGIAR NVGAHYVLYS SASGNVNAPT LQMQLMLVQT GEIIWSGKGA VSQQ
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	22,516 Da
Sequence Positions	20-213, Full length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q3Z312
Species	Shigella sonnei (strain Ss046)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpoB recombinant protein	MBS1377563 is a recombinant protein targeting lpoB. Also known as Recombinant Shigella sonnei Penicillin-binding protein activator LpoB (lpoB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lpoB recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for lpoB. It may not necessarily be applicable to this product.

NCBI GI #	446086584
NCBI Accession #	WP_000164439.1
UniProt Primary Accession #	Q3Z312
GenBank Nucleotide #	WP_000164439.1
NCBI Official Full Name	MULTISPECIES: penicillin-binding protein activator LpoB
UniProt Protein Name	Penicillin-binding protein activator LpoB

Protein Family	Penicillin-binding protein activator
UniProt Gene Name	lpoB
UniProt Synonym Gene Names	PBP activator LpoB
UniProt Comments for lpoB	Regulator of peptidoglycan synthesis that is essential for the function of penicillin-binding protein 1B (PBP1b).
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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